# PCB terminal block - MKDSP 1,5/12-5,08 - 1730227

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)



The figure shows a 10-position version of the product

PCB terminal block, nominal current: 17.5 A, rated voltage (III/2): 400 V, pitch: 5.08 mm, number of positions: 12, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Solder pin [P]: 3.5 mm

## Your advantages

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- Quick and convenient testing using integrated test option
- The latching on the side enables various numbers of positions to be combined




## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| GTIN | 4 017918 026325 |
| GTIN | 4017918026325 |
| Weight per Piece (excluding packing) | 17.500 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

## Technical data

### Dimensions

| | |
|---|---|
| Length [ l ] | 11.15 mm |
| Pitch | 5.08 mm |
| Dimension a | 55.88 mm |

# PCB terminal block - MKDSP 1,5/12-5,08 - 1730227

## Technical data

### Dimensions

| | |
|---|---|
| Width [ w ] | 60.96 mm |
| Height | 13.8 mm |
| Height [ h ] | 17.3 mm |
| Solder pin [P] | 3.5 mm |
| Hole diameter | 1.3 mm |

### General

| | |
|---|---|
| Range of articles | MKDSP 1,5 |
| Insulating material group | I |
| Rated surge voltage (III/3) | 4 kV |
| Rated surge voltage (III/2) | 4 kV |
| Rated surge voltage (II/2) | 4 kV |
| Rated voltage (III/3) | 250 V |
| Rated voltage (III/2) | 400 V |
| Rated voltage (II/2) | 630 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current $I_N$ | 17.5 A |
| Nominal cross section | 1.5 mm² |
| Maximum load current | 22 A |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Internal cylindrical gage | A1 |
| Stripping length | 7 mm |
| Number of positions | 12 |
| Screw thread | M3 |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max | 0.6 Nm |

### Connection data

| | |
|---|---|
| Conductor cross section solid min. | 0.14 mm² |
| Conductor cross section solid max. | 2.5 mm² |
| Conductor cross section flexible min. | 0.14 mm² |
| Conductor cross section flexible max. | 1.5 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 1.5 mm² |
| Conductor cross section AWG min. | 26 |

# PCB terminal block - MKDSP 1,5/12-5,08 - 1730227

## Technical data

### Connection data

| | |
|---|---|
| Conductor cross section AWG max. | 14 |
| 2 conductors with same cross section, solid min. | 0.14 mm² |
| 2 conductors with same cross section, solid max. | 1 mm² |
| 2 conductors with same cross section, stranded min. | 0.14 mm² |
| 2 conductors with same cross section, stranded max. | 0.75 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 0.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm² |

### Standards and Regulations

| | |
|---|---|
| Connection in acc. with standard | EN-VDE |
| | CSA |
| Flammability rating according to UL 94 | V0 |

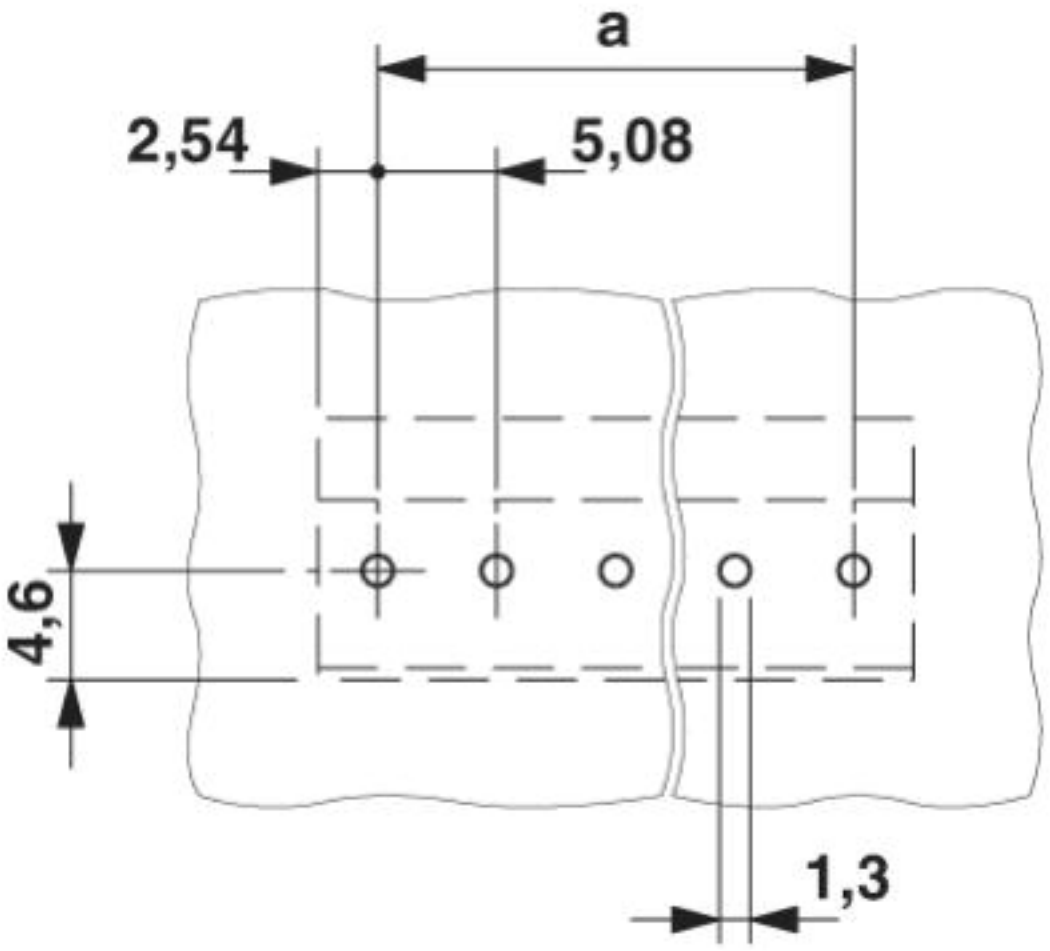
### Environmental Product Compliance

| | |
|---|---|
| | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration” |

## Drawings

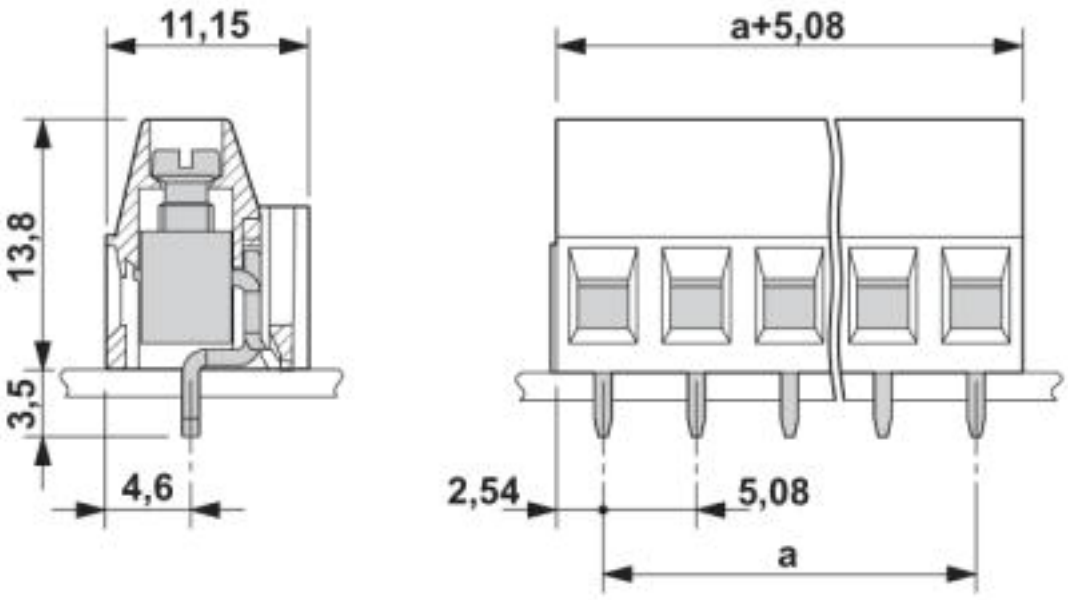
# PCB terminal block - MKDSP 1,5/12-5,08 - 1730227

Drilling diagram



# PCB terminal block - MKDSP 1,5/12-5,08 - 1730227

Dimensional drawing




## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 4.0 | 27141100 |
| eCl@ss 4.1 | 27141100 |
| eCl@ss 5.0 | 27141100 |
| eCl@ss 5.1 | 27261100 |
| eCl@ss 6.0 | 27261100 |
| eCl@ss 7.0 | 27440401 |
| eCl@ss 8.0 | 27440401 |
| eCl@ss 9.0 | 27440401 |

### ETIM

| | |
|---|---|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002643 |
| ETIM 6.0 | EC002643 |
| ETIM 7.0 | EC002643 |

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 30211801 |
| UNSPSC 7.0901 | 39121432 |

# PCB terminal block - MKDSP 1,5/12-5,08 - 1730227

## Classifications

### UNSPSC

| | |
|---|---|
| UNSPSC 11 | 39121432 |
| UNSPSC 12.01 | 39121432 |
| UNSPSC 13.2 | 39121432 |

## Approvals

### Approvals

Approvals

CSA / IECEE CB Scheme / SEV / EAC / cULus Recognized

Ex Approvals

### Approval details

| | | | |
|---|---|---|---|
| CSA | | http://www.csagroup.org/services-industries/product-listing/ | 13631 |

| | B | D |
|---|---|---|
| Nominal voltage UN | 300 V | 300 V |
| Nominal current IN | 10 A | 10 A |
| mm²/AWG/kcmil | 28-14 | 28-14 |

| | | | |
|---|---|---|---|
| IECEE CB Scheme | | http://www.iecee.org/ | CH-8225 |

| | |
|---|---|
| Nominal voltage UN | 250 V |
| Nominal current IN | 22 A |
| mm²/AWG/kcmil | 2.5 |

| | | | |
|---|---|---|---|
| SEV | | https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html | IK-3542-M1 |

| | |
|---|---|
| Nominal voltage UN | 250 V |

# PCB terminal block - MKDSP 1,5/12-5,08 - 1730227

## Approvals

| | |
|---|---|
| Nominal current IN | 22 A |
| mm²/AWG/kcmil | 2.5 |

| | | |
|---|---|---|
| EAC | | B.01742 |

| | | |
|---|---|---|
| cULus Recognized | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E60425-19770427 |

| | B | D |
|---|---|---|
| Nominal voltage UN | 300 V | 300 V |
| Nominal current IN | 10 A | 10 A |
| mm²/AWG/kcmil | 30-14 | 30-14 |

## Accessories

### Accessories

### Bridge

Insertion bridge - EBP 2- 5 - 1733169



### Labeled terminal marker

Marker card - SK 5,08/3,8:FORTL.ZAHLEN - 0804293



Marker card, Card, white, labeled, Horizontal: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... (99)100, mounting type: adhesive, for terminal block width: 5.08 mm, lettering field size: 5.08 x 3.8 mm

### Screwdriver tools

# PCB terminal block - MKDSP 1,5/12-5,08 - 1730227

## Accessories

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Test plug terminal block

Reducing plug - RPS - 0201647



Reducing plug, color: gray

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm² conductor cross section, color: gray

Accessories - SPB 10-MKDSP - 1301355



Accessories, number of positions: 10, pitch: 0 mm

Test plugs - ST-MKDSP 3/5 - 1718207



Test plugs

Phoenix Contact 2019 © - all rights reserved
http://www.phoenixcontact.com